



LETTER REPORT
FOR
DAELYTE SERVICE COMPANY
DETROIT, WAYNE COUNTY, MICHIGAN
TDD S05-9712-003
PAN 7D0301SIXX

February 19, 1998

Prepared for:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Emergency Response Branch
77 West Jackson Boulevard
Chicago, Illinois 60604

Prepared by: *Cheryl L. Elliott* Date: 2/19/98
Cheryl L. Elliott, START Project Manager
Reviewed by: *Michael L. Dieckhaus for Mary Jane Ripp* Date: 2/19/98
Mary Jane Ripp, START Assistant Program Manager
Approved by: *Michael L. Dieckhaus* Date: 2/19/98
Michael L. Dieckhaus, START Assistant Program Manager



ecology and environment, inc.

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February 19, 1998

Ms. Gail Nabasny
START Project Officer
Emergency Support Section
U.S. Environmental Protection Agency
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Daelyte Service Company
Detroit, Wayne County, Michigan
TDD S05-9712-003
PAN 7D0301SIXX

Dear Ms. Nabasny:

On December 4, 1997, the United States Environmental Protection Agency (U.S. EPA) tasked the Ecology and Environment, Inc. (E & E), Superfund Technical Assessment and Response Team (START) to accompany Research Conservation and Recovery Act (RCRA) personnel on a site inspection at the Daelyte Service Company (Daelyte) site in Detroit, Wayne County, Michigan, under Technical Direction Document (TDD) S05-9712-003. Tasks to be completed under this TDD included: providing personal safety requirements and health and safety support, collecting photo- and videodocumentation of site conditions, inventorying materials on site, providing site information to the U.S. EPA On-Scene Coordinator (OSC), and providing administrative and technical support to U.S. EPA in the preparation of site reports and other technical site-related documents.

The Daelyte site, a former cleaning service, is located at 1356 Mt. Elliott Avenue in Detroit, Wayne County, Michigan (latitude 42°21'10" N, longitude 83°0'40" W) (Attachment A, Figure 1). The property is bordered to the west by Mt. Elliott Avenue, to the east by an alley, and to the north and south by industrial buildings. The site is located in a mixed industrial/residential area of Detroit. The site consists of four separate buildings: an office building, a house, a garage, and a storage building. The storage building, a one-story brick building with several rooms, is the building in which the assessment was conducted (Attachment A, Figure 2). The building contains approximately five 55-gallons drums, one hundred and fifty 5-gallons drums, two hundred and fifty 1-gallon containers, and approximately 50 bottles that were less than 1 gallon in volume (Attachment A, Figure 3). Two underground storage tank (UST) openings were located southwest of the building, and one UST opening was located in the northern central portion of the building.

On December 19, 1997, START accompanied personnel from U.S. EPA, Tech Law, Inc., and Metcalf and Eddy (M & E) on a RCRA inspection at the site. The western side of the site was bordered by a chain-link fence. Two dogs reside at the site, and the owner of the site visits periodically. The owner of the building placed the dogs in a fenced area of the yard during the inspection. The reconnaissance revealed two UST openings southwest of the building, near the entrance. The western UST contained 1 foot of liquid in a tank estimated to be 8 feet in depth. M & E personnel were unable to open the eastern UST.

The inspection team accessed the storage building through a garage door on the western side of the building. A garage area on the southern side of the building was approximately 3 feet lower than the rest of the building. Two small walk-in storage rooms were located on the northeastern and southeastern corners of the garage area. These storage rooms extended approximately halfway to the ceiling of the building. Several layers of shelving were located on the eastern wall of the garage area, between and above the storage rooms and on the eastern wall of the northeastern storage room. Approximately fifty 1-gallon cans of paint-related products were stacked on the shelves. Wooden pallets, garbage cans, and several other garage- and shop-related materials and tools were located in the southeastern storage room and throughout the remainder of the garage room.

The main portion of the building, which was 3 feet higher than the garage area, was located north of the garage area. A room on the southeastern side of the storage building consisted of approximately one hundred and thirty 5-gallon containers stacked on the floor and scattered throughout the room. The room contained approximately two hundred 1-gallon containers stacked on the floor and on layers of shelving located on the eastern wall. One 55-gallon drum and an opening to an approximately 5,000-gallon UST were located in the main area. The UST contained approximately 1 foot of fuel oil.

A western room of the storage building contained approximately 20 small containers, five 5-gallon pails and three 55-gallon drums located on the northeastern corner. The small containers were located on shelving on the northern and eastern walls. One 55-gallon drum and five 5-gallon pails were located on the northeastern corner. A floor drain was located on the northeastern section of the western room. The roof over the western portion of the room had collapsed and allowed precipitation to enter. Rainwater had pooled on the floor, and water from melting snow and ice was running down the northern wall. The drum and pails were standing in pooled water, and appeared deteriorated. Two 55-gallon drums were also located in the southwestern portion of the western room. Rainwater and melted snow were flowing to a floor drain in this room.

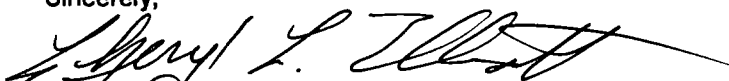
A room located on the northeastern corner of the main building was divided into two rooms by a wire fence extending from floor to ceiling. The northern room contained approximately 20 small containers on shelving on the southern side, near the wire fence. Four 1-gallon containers with labels, "contains Phosphoric Acid" were located on the shelving. The southern room contained approximately 10 small containers on shelving on the eastern wall.

START conducted field pH measurements using pH paper. Contents of one 55-gallon steel drum with a polyethylene inner liner and one small container with phosphoric acid label had pH measurements of 1 standard unit.

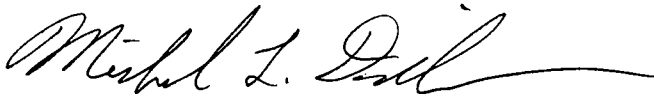
Based upon site investigation observations, conditions at the site constitute an imminent and substantial endangerment to public health and welfare. The site perimeter includes a chain-link fence along the northern, western, and eastern sides, and a building along the southern side. The site perimeter is secure, and there are canine and periodic human presence; however, the collapsed roof of the building allows access and presents a physical hazard for potential trespassers and vandals. Field screening results indicated deteriorating drums contain material with a pH of 1 standard unit. The collapsed roof allows precipitation to enter the building and further deteriorate drums and containers. The building is not heated and temperature fluctuations cause the material in the containers to freeze and thaw. Freezing and thawing causes the contents to expand and the containers to bulge and potentially rupture. On-site hazardous materials may migrate from the site to contaminate other areas through the floor drain.

Preparation of this Letter Report, with the included attachments, completes the tasks specified by this TDD.
If you have any questions or need additional information, please contact our office..

Sincerely,



Cheryl L. Elliott
START Project Manager



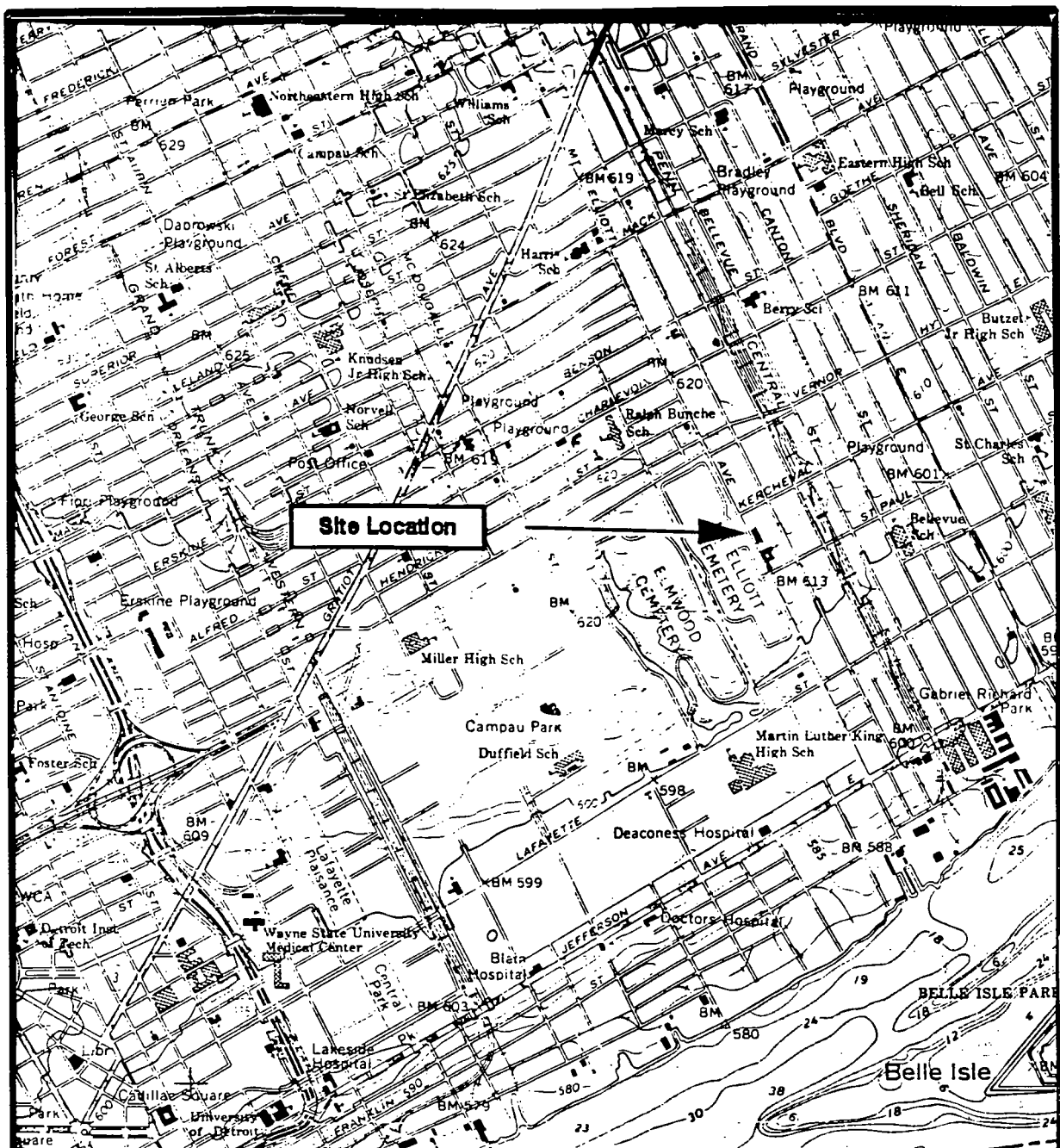
Michael L. Dieckhaus
START Assistant Program Manager



Attachments A - Site Illustrations
 B - Photodocumentation

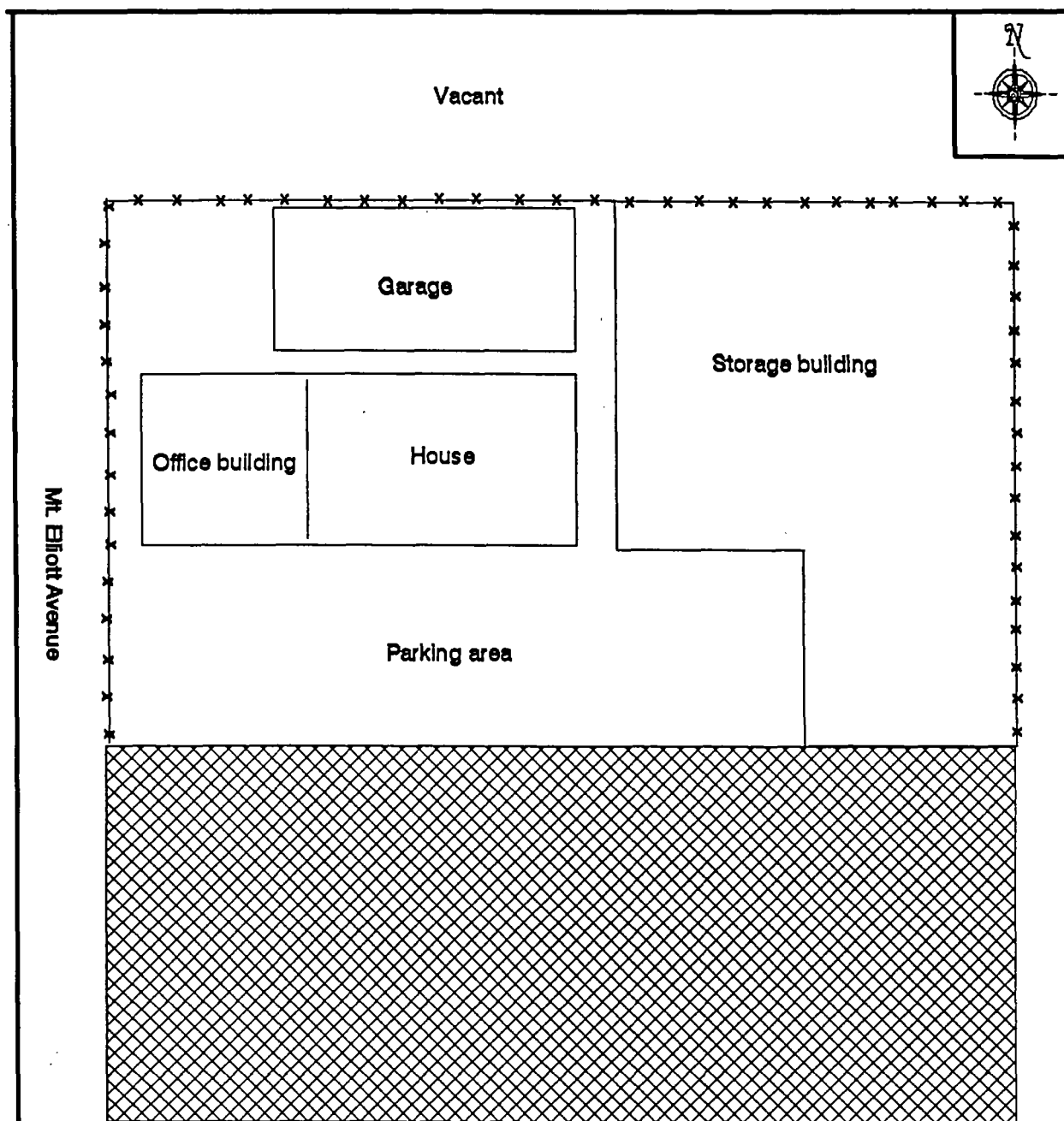
cc: P.C. Lall, U.S. EPA OSC

Attachment A

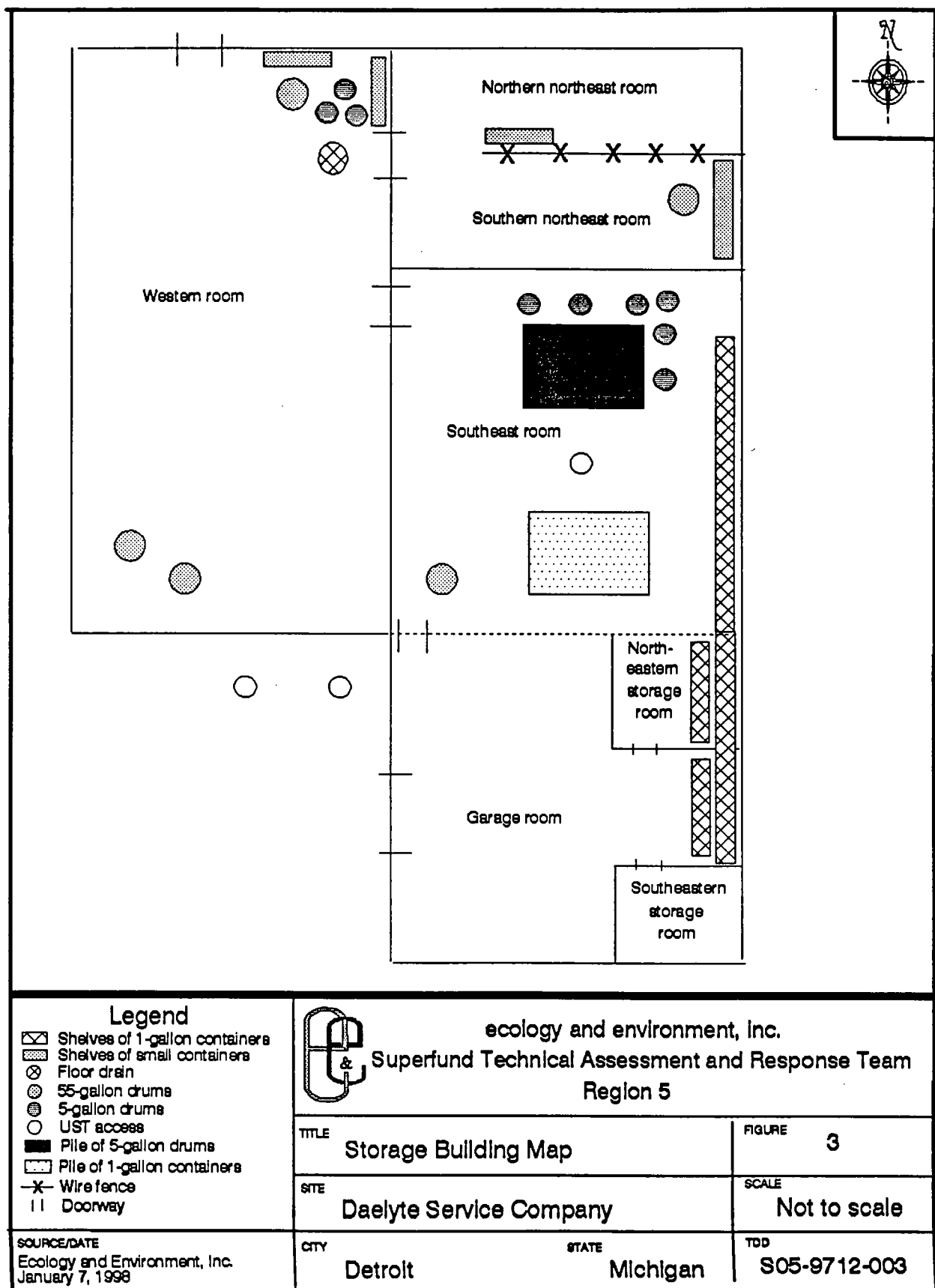
Site Illustrations



				ecology and environment, Inc. Superfund Technical Assessment and Response Team Region 5	
TITLE Site Location Map		FIGURE 1			
SITE Daelyte Service Company		SCALE 1:24,000			
SOURCE/DATE USGS 7.5 Minute Series Topographic Map, Detroit, MI, 1968		CITY Detroit		STATE Michigan	
				TDD S05-9712-003	



Legend Adjacent building Chain-link fence	ecology and environment, Inc. Superfund Technical Assessment and Response Team Region 5		
	TITLE Site Features Map		FIGURE 2
	SITE Daelyte Service Company		SCALE Not to scale
SOURCE/DATE Ecology and Environment, Inc. January 7, 1998	CITY Detroit	STATE Michigan	TDD S05-9712-003



Attachment B

Photodocumentation



Daelyte Service Co.
 (F1)
 East
 Mt. Elliott

Date: December 19, 1997
Subject: Daelyte Services Co., site located at 1356 Mt. Elliott Avenue.



Daelyte Service Co.
 (F2)
 Mt. Elliott

Date: December 19, 1997
Subject: West side of site bordering Mt. Elliott Avenue.



Site: Daelyte Service Co.
Photo No: 3 (R1F3)
Direction: Northeast
Photographer: C. Elliott

Date: December 19, 1997

Subject: West side of site and parking area storage building.



Site: Daelyte Service Co.
Photo No: 4 (R1F4)
Direction: Northeast
Photographer: C. Elliott

Date: December 19, 1997

Subject: A view of site entrance.



e Co.
(B)
t
C. Elliott

Date: December 19, 1997

Subject: One-gallon cans stacked on floor and on eastern wall of southeast room and garage room.



Service Co.
(F12)
theast
C. Elliott

Date: December 19, 1997

Subject: One-gallon cans on eastern wall of garage room.



Site: Daelyte Service Co.
Photo No: 7 (R1F10)
Direction: East
Photographer: C. Elliott

Date: December 19, 1997

Subject: One-gallon cans on eastern wall drums stacked on floor of southeast room



Site: Daelyte Service Co.
Photo No: 8 (R1F13)
Direction: East
Photographer: C. Elliott

Date: December 19, 1997

Subject: One-gallon cans with manufacturer labels in southeast room.



Site: Daelyte Service Co.
Photo No: 9 (R1F11)
Direction: East
Photographer: C. Elliott

Date: December 19, 1997
Subject: Five-gallon drums stacked on floor in southeast room.



Site: Daelyte Service Co.
Photo No: 10 (R1F9)
Direction: Southeast
Photographer: C. Elliott

Date: December 19, 1997
Subject: Four 1-gallon containers, at bottom right, containing material with a pH measurement of 1 standard unit in northern northeast room.



Site: Daelyte Service Co.
Photo No: 11 (R1F8)
Direction: East
Photographer: C. Elliott

Date: December 19, 1997
Subject: Small containers and debris on site.



Site: Daelyte Service Co.
Photo No: 12 (R1F14)
Direction: North
Photographer: C. Elliott

Date: December 19, 1997
Subject: One-gallon container with "acid" label in southeast room.



Site: Daelyte Service Co.
Photo No: 13 (R1F16)
Direction: North
Photographer: C. Elliott

Date: December 19, 1997
Subject: Fifty-five-gallon drum containing liquid with pH measurement of 1 standard unit in western room.



Site: Daelyte Service Co.
Photo No: 14 (R1F15)
Direction: N/A
Photographer: C. Elliott

Date: December 19, 1997
Subject: Label on drum containing liquid with pH measurement of 1 standard unit in western room.



Site: Daelyte Service Co.
Photo No: 15 (R1F17)
Direction: Northwest
Photographer: C. Elliott

Date: December 19, 1997
Subject: Manhole containing UST pipe in southeast room.



Site: Daelyte Service Co.
Photo No: 16 (R1F5)
Direction: Northwest
Photographer: C. Elliott

Date: December 19, 1997
Subject: Area in western room where roof has collapsed.



Site: Daelyte Service Co.
Photo No: 17 (R1F7)
Direction: N/A
Photographer: C. Elliott

Date: December 19, 1997
Subject: Hole in roof of the western room.



Site: Daelyte Service Co.
Photo No: 18 (R1F6)
Direction: N/A
Photographer: C. Elliott

Date: December 19, 1997
Subject: Hole in roof of the western room.